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ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-PAGUATE B.I.S.

| | AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA's PROPOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) |
|---|------------------|---|---|----------------|---------------------------|
| | OPEN PITS | | • | | |
| | Backfilling | To the ground water recharge level with any material available. | To 10 feet above the ground water recharge level with non-hazardous material. | | |
| • | Highwalls | Buttress as necessary - fence west side of Paguate pits - remove loose rock. | Buttress as necessary - slope all highwalls on the west side of Paguate pits - remove loose rock. | | Pence entire area. |
| | Drainage' | Closed basin - to central location. | Closed basin - berms to prevent ponding. | Confide | ential Claim Retracted |
| | Cover | Pour feet of non-radiologi- cal material. | None - due to the amount and type of backfilling. | AUTHORI | ZED BY: |
| | Top-Dressing | One foot of non-hazardous material that is conducive to plant growth. | One foot of non-hazardous material that is conducive to plant growth. | DATE: <u>5</u> | ZED BY: <u></u> |
| | WASTE PILES | | | | |
| | Slopes | Variable slopes and benches - Average slope angle one-to- one - Average distance between benches is 70 feet. | No portion of any slope greater than two-to-one - Benches not more than 50 feet apart - No overall slope greater than three-to-one. | | |
| | Cover | Four feet of non-hazardous material. | Four feet of non-hazardous material | | |
| • | Top-Dressing | Two feet of non-hazardous material that is conducive to plant growth. | Two feet of non-hazardous material that is conducive to plant growth. | • | |

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ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-FAGUATE E.I.S.

| | AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA'S PROPOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) |
|----|-------------------------|---|--|------------------------------|---------------------------|
| | WASTE PILES (Continued) | | | | |
| | Drainage | System of berms to hold surface flow on top of dumps - System of rock-lined structures to drain benches. | System of berms to hold surface flow on top of dumps - System of rock-lined structures to drain benches. | | |
| | Rock Piles | Numerous rock piles. | No rock piles. | | |
| | PROTORE | | | | |
| ÷, | Disposition | Use for backfill material - No special consideration. | Place all protore in one pile at the south end of the Jackpile Pit above the ground water recharge level - Segre- gate according to grade. | | |
| | Cover | Same as for pit backfilling. | Six feet of non-hazardous material. | | |
| | Top-Dressing | Same as for backfilling. | Two.feet of non-hazardous material that is conducive to plant growth. | | |
| | Access | No future access. | Easily accessable for future recovery. | , | |
| | REVEGETATION | | | | • |
| _ | Species Types | Native species of grasses and shrubs, plus two intro- duced species. | Native species only - scattered pringers with your sweet Junipers Willist your sweet Me certified seed, ie, Il mproved plant madeur | -daner. ie hestmame v. | |

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ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-PAGUATE E.I.S.

| | AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA's PROPOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) |
|----|----------------------------------|--|---|---------------|------------------------------|
| | REVEGETATION (Continued |) | | | |
| .• | Species Density | To approximate the surrounding conditions - All disturbed areas. | To approximate the surrounding conditions - All disturbed areas. | | |
| | Grazing Management | Total exclusion of livestock. | Controlled grazing - Management plan designed and controlled by Laguna Pueblo or BIA. | | |
| .; | PAGUATE RESERVOIR MINE EQUIPMENT | No measures proposed. | No measures proposed. | | |
| | Crusher | Remove. | Remove. | | |
| | Monitoring Equipment | Remove. | Leave intact. | | |
| | Power Lines | Remove most. | Leave only lines to remaining buildings. | | |
| | Sewage Lagoons | Leave intact. | Leave intact. | | |
| | Water Wells | Leave unplugged, but remove pumps. | Leave all intact. | | |
| | ROADS | Leave the major gravel roads intact. | Leave the major gravel roads intact. | | |

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ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-PAGUATE E.I.S.

| | ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-PAGUATE E.I.S. | | | | | | |
|----|---|--|---|---------------|---------------------------|--|--|
| | AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA's PROPOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) | | |
| | MINE BUILDINGS | | | | | | |
| .* | Disposition | Remove all buildings except the shop and P-10 Mine buildings. | Remove all buildings except the shop, P-10 Mine buildings, open pit offices, and offices at employee housing area. | | | | |
| ., | Cleanup Sites | Dispose of structures in the pits - Remove surface material until background radiological values are achieved - Topdress with two feet of nonhazardous material. | Dispose of structures in the pits - Remove surface material until background radiological values are achieved - Topdress with two feet of nonhazardous material. | | · | | |
| • | Cleanup of Buildings Remaining | Not specifically addressed. | Clean buildings until a radon concentration of PCL/ is achieved. Remove surface material until background radiological values are achieved - Top-dress with two feet of non-hazardous material. | | | | |
| | RAIL SPUR | | | | | | |
| | Disposition | Remove rail and ties for resale - Return ballast to the pits. | Leave intact - Remove Quirk loading docks. | | | | |
| | Cleanup | Top-dress with two feet of non-hazardous material. | Not applicable. | | | | |

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ALTERNATIVES TO BE ADDRESSED IN THE JACKPILE-PAGUATE E.I.S.

| | AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA'S PROPOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) |
|----|---|--|---|---------------|------------------------------|
| | AREAS NOT DISTURBED | | | | |
| | Cultural Sites | Total avoidance. | Total Avoidance | | |
| ١ | Top Soil Barrow Areas | Remove alluvial material from two locations adjacent to the rivers - Recontour the distur- bed areas. | Remove alluvial material from the south side of Gavilon Mesa - Recontour the disturbed areas. | | |
| ,1 | FLOODPLAINS FOR THE RIO MOQUINO AND RIO PAGUATE | Remove all waste and protore that lies within 200 feet of the stream channels. | Re-establish the original gradient of the Rio Moquino - Remove all waste that lies within the 500 year floodplain for the Rio Paguate and Rio Moquino, or use rip rap to construct an arti- ficial 500 year floodplain. | | |
| | ARROYOS | Not addressed. | Stabilize the arroyos on the south side of J Dump to prevent head-cutting into the dumps - Rip rap the northern side of Dump FD-3. | | |
| | UNDERGROUND ENTRIES | | | | |
| | Ventholes | According to procedures developed by USGS. | Fill with non-hazardous waste - Five foot cement plug in top, flush with ground. | • | |
| | Decline | According to procedures developed by USGS. | Cement bulkhead at the bottom - fill with waste. | - | |
| | Adits | According to procedures developed by USGS. | Backfill with waste. | <i>;</i> ; | |
| • | | | | | |

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ALTERNATIVES TO BE ASSESSED IN THE JACKPILE-PAGUATE E.I.S.

| AREAS OF CONCERN | ALTERNATIVE 1 (ANACONDA'S PROFOSAL) | ALTERNATIVE 2 (TASK FORCE ALTERNATIVE) | ALTERNATIVE 3 | ALTERNATIVE 4 (NO ACTION) |
|---------------------------|--|--|---------------|------------------------------|
| SUBSIDENCE | Backfill selected stopes in the PS-2/3 area to prevent subsidence of State Highway 279. | Backfill selected stopes in the PW-2/3 and P-10 areas to prevent subsidence of State Highway 279. | | |
| MONITORING | Not addressed. | Complete monitoring system designed by Task Force. | | • |
| RECLAMATION PROCEDURES | Not addressed. | , ? | | |
| EMPLOYMENT | Not addressed. | Anaconda will give employment preference to members of the Laguna Pueblo to the maximum extent possible. | | |

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